Diagnostic Trouble Code (DTC) Chart — '98 – 00 Models

NEC SRS Unit

SRS indicator light	DTC	Possible cause	Corrective action	See page
doesn't come on	none (doesn't come on)	Faulty SRS indicator light circuit	Troubleshooting	24-26
comes on	none*5 (doesn't go off)	Faulty SRS indicator light circuit, internal failure of SRS unit, faulty SRS power supply (VB line)	Troubleshooting	24-34
	No DTC*3 (light comes on after self-diagnosis)	Faulty SRS power supply (VA line)	Troubleshooting	24-39
	1-1	Open in the driver's airbag inflator	Troubleshooting	24-42
	1-2	Increased resistance in the driver's airbag inflator		24-42
	1-3	Short to another wire in the driver's airbag inflator or decreased resistance		24-44
	1-4	Short to power in the driver's airbag inflator		24-46
	1-5	Short to ground in the driver's airbag inflator		24-48
	2-1	With front passenger's airbag: Open in the passenger's airbag inflator Without front passenger's airbag: Open in the dummy resistor	Troubleshooting	24-50 24-58
	2-2	With front passenger's airbag: Increased resistance in the passenger's airbag inflator Without front passenger's airbag: Increased resistance in the dummy resistor		24-50 24-58
	2-3	With front passenger's airbag: Short to another wire in the passenger's airbag inflator or decreased resistance Without front passenger's airbag: Short to another wire in the dummy resistor or decreased resistance		24-52 24-59
	2-4	With front passenger's airbag: Short to power in the passenger's airbag inflator Without front passenger's airbag: Short to power in the dummy resistor		24-54 24-60
	2-5	With front passenger's airbag: Short to ground in the passenger's airbag inflator Without front passenger's airbag: Short to ground in the dummy resistor		24-56 24-61

EXPLANATION OF OBD-II DIAGNOSTIC TROUBLE CODES

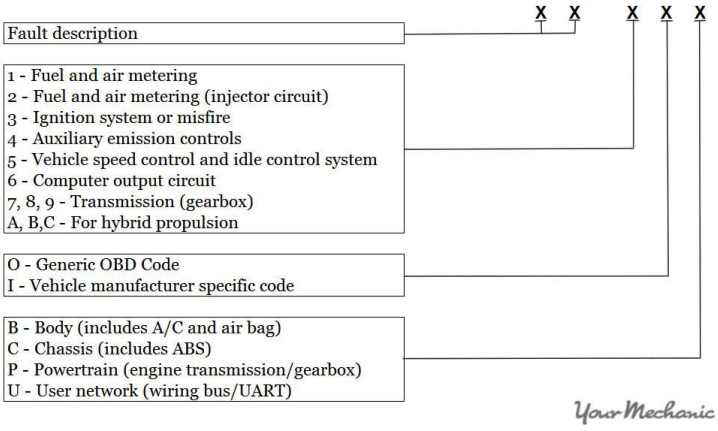


CHART CLASSIFIED BY DIAGNOSIS CODE

Diagnosis code	Diagnosis item		Reference page
11	Accelerator pedal position sensor (APS) system	Short-circuit	23-13
12		Open circuit	23-14
14		Incorrect sensor adjustment	23-15
15	A/T fluid temperature sensor system	Open circuit	23-17
21	Crank angle sensor system <6G7> or engine speed sensor system <4M4>	Open circuit	23-18
22	Input shaft speed sensor system	Short-circuit/Open circuit	23-20
23	Output shaft speed sensor system	Short-circuit/Open circuit	23-22
25	Wide open throttle switch system	Short-circuit/Open circuit	23-24
26	Stop lamp switch system	Short-circuit	23-25
31	LR solenoid valve system	Short-circuit/Open circuit	23-26
32	UD solenoid valve system	Short-circuit/Open circuit	23-27
33	2nd solenoid valve system	Short-circuit/Open circuit	23-28
34	OD solenoid valve system	Short-circuit/Open circuit	23-29
35	RED solenoid valve system	Short-circuit/Open circuit	23-30
36	DCC solenoid valve system	Short-circuit/Open circuit	23-31
41	1st without completion of shifting		23-32
42	2nd without completion of shifting		23-34
43	3rd without completion of shifting		23-36
44	4th without completion of shifting		23-38
45	5th without completion of shifting		23-40
46	Reverse without completion of shifting		23-42
51	Problem communicating with engine-ECU		23-43
52	Damper clutch control system	System malfunction	23-44
54	A/T control relay system	Short-circuit to earth/Open circuit	23-45
56	N range lamp system	Short-circuit to earth	23-46

Troubleshooting Procedures

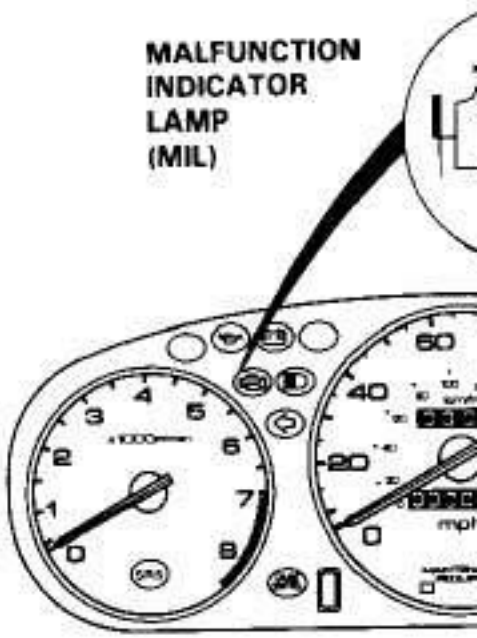
I. How To Begin Troubleshooting
When the Malfunction Indicator Lamp (MIL) has been reported on, or there is a driveabilit
ate procedure below to diagnose and repair the problem.

A. When the MIL has come on:

1. Connect the Honda PGM Tester or an OBD II scan tool to the 16P Data Link Connect
kick panel.

2. Turn the ignition switch ON (II).

3. Check the DTC and note it. Also check and note the freeze frame data.
Refer to the Diagnostic Trouble Code Chart and begin troubleshooting.



NOTE:
- See the OBD II scan tool or Honda PGM Tester user's manuals for specific operatin
- The scan tool or tester can read the Diagnostic Trouble Codes (DTC), freeze frame
Engine Control Module (ECM)/Powertrain Control Module (PCM) data.
- Freeze frame data indicates the engine conditions when the first malfunction, m
was detected. It can be useful information when troubleshooting.

CONDITION FOR DETECTION	MANAGEMENT		REFER TO PAGE
	DURING ABS CONTROL	EXCEPT ABS CONTROL	
			19-60
			19-62
The ABS indicator light comes on when vehicle is stopped and wheel sensor a given voltage does not input.	System down	System down	19-64
The ABS indicator comes on under the following conditions. • When more than one of wheels are at a standstill and the velocity of the fastest wheel reaches a given speed. • When the velocity of the fastest wheel reaches or exceeds a given speed, and if there are some wheels whose velocity is slower than a certain percentage of the fastest wheel speed for a given period. • When there are temporary open or short circuits of the wheel sensor, chipped pulser gear, or signal disturbance.	System down	System down	19-64
The main relay repeats ON/OFF switching at all times. • When the main relay is ON, a short test pulse is sent to each valve. If there is some discrepancy, the ABS indicator light comes on. • When the main relay is OFF, a short test pulse is sent to each valve. If the solenoid drive voltage is out of a given range, the ABS indicator light comes on.	System down	System down	19-66
• The pump motor is activated once or twice after every ignition switch ON (II) operation while the vehicle accelerates, then the motor drive voltage is checked. When the voltage is abnormal, the ABS indicator light comes on. • After ABS control completion, the motor is switched off and the main CPU checks the motor drive voltage. When the voltage is abnormal, the ABS indicator light comes on.	——	System down	19-68
During an active motor test or ABS control, the main CPU checks the supply voltage to the motor. When the voltage is abnormal, the ABS indicator light comes on.	System down	System down	19-68
If the motor drive voltage indicates motor operation when the main CPU does not switch the motor ON, the ABS indicator comes on.	——	System down	19-68
• When a solenoid valve failure is detected, the CPU checks the voltage of the main relay output. If the voltage is lower than a given voltage, the ABS indicator light comes on. • The main relay repeats ON/OFF switching at all times. When the main relay is off, a short test pulse is sent to each valve. The CPU monitors the reference voltage. If the voltage is out of a given range, the ABS indicator light comes on.	System down	System down	19-71
When the ignition voltage is lower or higher than a given voltage, the CPU inhibits ABS control and switches off the main relay, and the ABS indicator light comes on. When the ignition voltage recovers to normal range, ABS inhibition is canceled.	Inhibit all wheels	Inhibit all wheels	19-73
The main CPU and sub CPU check each other under certain conditions. When the CPUs detect the following discrepancies, the ABS indicator light comes on. • When there is discrepancy in the calculated wheel speed velocity that continues for more than a given period. • When there is discrepancy in the phase information that continues for more than a given period. • When there is discrepancy in the calculated control parameter. • When the watch dog control pulse fails for a given period. • When the check of the ROM fails. • When there is discrepancy in the data reading and writing procedure of RAM.	System down	System down	19-74

Symptom-to-System Chart

PROBLEM CODE		PROBLEMATIC COMPONENT1 SYSTEM	AFFECTED				See page	OTHER COMPONENT	See page
MAIN CODE	SUB-CODE		FRONT RIGHT	FRONT LEFT	REAR RIGHT	REAR LEFT			
①	–	Pump motor over-run	–	–	–	–	19-61	Pressure switch	
	②	Pump motor circuit problem	–	–	–	–		Motor relay, Unit fuse, Motor fuse	19-97
	③	High pressure leakage	–	–	–	–	19-66	Solenoid	19-94
	④	Pressure switch	–	–	–	–	19-67		
	⑧	Accumulator gas leakage	–	–	–	–	19-69		
②	①	Parking brake switch-related problem	–	–	–	–	19-68	Brake fluid level switch BRAKE light	
③	①	Pulser(s)	O				19-88		
	②			○					
	④				O	O			
④	①	Speed sensor	O				19-69		
	2 ②			○					
	④				O				
						O			
⑤	–	Speed sensor(s)			O	O	19-70	Modulator	
	④				○				
	⑧					O			
⑥	–	Fail-safe relay (Open, short)	–	–	–	–	19-71 (Function Test)	Front or rear fail-safe relay	19-97
	①		–	–	–	–		Front fail-safe relay	
	④		–	–	–	–		Rear fail-safe relay	
⑦	①	Solenoid related problem (Open)					9-76	ABS B1 fuse Front fail-safe relay	
	②			○					
	–				○	○	19-78	Rear fail-safe relay	